



**BIOMAN 2014 Agenda at a Glance**  
**Salt Lake Community College, Salt Lake City, Utah**  
**July 14-17, 2014**

<b>Monday, July 14</b>	<b>Tuesday, July 15</b>	<b>Wednesday, July 16</b>	<b>Thursday, July 17</b>
8:30 - 9:00 AM Breakfast, Networking <b>JHS Patio</b>	8:30 - 9:00 AM Breakfast, Networking <b>JHS Patio</b>	8:30 - 9:00 AM Breakfast, Networking <b>JHS Patio</b>	8:30 - 9:00 AM Breakfast, Networking <b>JHS Patio</b>
9:00 - 10:00 AM <b>Keynote</b> <b>JHS 081</b> <i>"The Changing Landscape of Developing and Gaining Approval of Drug/Biologic Products"</i>  <i>Peter Knauer, VP of CMC at Symic Biomedical/VP of CMC at Jade Therapeutics</i>	9:00 - 10:00 AM <b>Keynote</b> <b>JHS 081</b>  <i>Steve Wood, Director, Global R&amp;D, Pharmanex</i>	9:00 AM – Noon <b>Hands-On Workshop</b> <b>QC Microbiology</b> <b>JHS 262</b> <i>Maggie Bryans, Sheila Byrne, and John Hasyn, Montgomery County CC</i> <i>Linda Rehfluss, Bucks County CC</i>	9:00 - 10:00 AM <b>Keynote</b> <b>JHS 081</b> <i>"Synthetic Biomanufacturing for Biofuels and Bioproducts"</i>  <i>Ron Sims, Utah State University</i>
10:00 - 10:15 AM <b>BREAK</b>	10:00 AM - 1:00 PM <b>BREAK and</b>	<b>Hands-On Workshop</b> <b>Validation</b> <b>JHS 213</b> <i>Lara Dowland, Mount Wachusett CC</i>	10:00 - 10:15 AM <b>BREAK</b>
10:15 AM - Noon <b>Panel</b> <b>Establishing Effective High School Outreach Programs</b> <b>JHS 259</b> <i>Craig Caldwell, Salt Lake CC</i> <i>Mike Fino, MiraCosta College</i>  <b>OR</b> <b>Panel</b> <b>Funding Your Project; Working with the NSF's SBIR Program to Benefit your College and Support Small Business in your Community</b> <b>JHS 213</b> <i>V. Celeste Carter, NSF</i> <i>Sandra Porter, Digital World Biology</i>  <b>OR</b> <b>Interactive Session</b> <b>Collaborative Biomanufacturing Curriculum Development with Industry</b> <b>JHS 262</b> <i>Sengyong Lee, Ivy Tech CC</i>	<b>Vendor Show of Biomanufacturing Equipment and Supplies Student Pavilion</b>  <b>Hands-On Workshop</b> <b>Pipettes in the Laboratory and Pipette Repair and Maintenance</b> <i>Hazem Zanoun and Sarena Tam, Artel</i> <i>**In conjunction with Vendor Show**</i>  <b>LUNCH</b> <b>Student Pavilion</b>	<b>OR</b> <b>Hands-on Workshop</b> <b>QC Biochemistry: Electrophoresis</b> <b>JHS 259</b> <i>Mary Jane Kurtz, NBC2</i>	10:15 AM - Noon <b>Interactive Session</b> <b>Professional Networking for Biotechnicians and Connecting Through LinkedIn</b> <b>JATC 214</b> <i>Sandra Porter, Digital World Biology</i>  <b>OR</b> <b>Interactive Session</b> <b>The STUDENTfacturED Business/Training Enterprise: Providing Students with Contextual Biomanufacturing Experience</b> <b>JHS 259</b> <i>Vivian Ngan-Winward, Salt Lake CC</i>  <b>OR</b> <b>Panel</b> <b>Teaching Biomanufacturing with NBC2 Curriculum</b> <b>JHS 213</b> <i>Maggie Bryans, Montgomery County CC</i> <i>Linda Rehfluss, Bucks County CC</i>

<p><b>OR</b>  <b>Hands-On Workshop</b>  <b>Pipettes in the Laboratory and Pipette Repair and Maintenance</b>  <b>JHS 243</b>  <i>Hazem Zanoun and Sarena Tam, Artel</i></p>			
<p>Noon – 1:00 PM  <b>LUNCH</b>  <b>Student Pavilion</b>  <b>Lunchtime Keynote</b>  <i>"Bioscience Immersion: Bringing Industry into the Classroom"</i>   <i>Scott Gevaert, St. Louis Community College</i></p>		<p>Noon – 1:00 PM  <b>LUNCH</b>  <b>Student Pavilion</b></p>	<p>Noon – 1:00 PM  <b>LUNCH</b>  <b>Student Pavilion</b></p>
<p>1:30 - 4:30 PM  <b>Hands-On Workshop</b>  <b>Beginner Track</b>  <b>Cellulase Cloning and Expression</b>  <b>JHS 262</b>  <i>Craig Caldwell, Salt Lake CC</i></p> <p><b>OR</b>  <b>Hands-On Workshop</b>  <b>Intermediate Track</b>  <b>Biofuels: Microalgae to Oil</b>  <b>JHS 259</b>  <i>Sonia Wallman and Mary Jane Kurtz, NBC2</i>  <i>Jennifer Imbesi and Tim Kull, Montgomery County CC</i></p> <p><b>OR</b>  <b>Hands-On Workshop</b>  <b>Advanced Track</b>  <b>CHO Cell Transfection</b>  <b>JHS 218</b>  <i>Bill Woodruff, Alamance CC</i>  <i>Maggie Bryans, Montgomery County CC</i></p> <p>Open calibration and training sessions, single and multichannel pipetting technique and coaching sessions, provided by Artel</p>	<p>1:30 - 4:30 PM  <b>Hands-On Workshop</b>  <b>Beginner Track</b>  <b>Cellulase Cloning and Expression</b>  <b>JHS 262</b>  <i>Craig Caldwell, Salt Lake CC</i></p> <p><b>OR</b>  <b>Hands-On Workshop</b>  <b>Intermediate Track</b>  <b>Biofuels: Microalgae to Oil</b>  <b>JHS 259</b>  <i>Sonia Wallman and Mary Jane Kurtz, NBC2</i>  <i>Jennifer Imbesi and Tim Kull, Montgomery County CC</i></p> <p><b>OR</b>  <b>Hands-On Workshop</b>  <b>Advanced Track</b>  <b>CHO Cell Transfection</b>  <b>JHS 218</b>  <i>Bill Woodruff, Alamance CC</i>  <i>Maggie Bryans, Montgomery County CC</i></p> <p>Open calibration and training sessions, single and multichannel pipetting technique and coaching sessions, provided by Artel</p>	<p>1:00 - 5:00 PM   <b>Field Experience Day</b>   Edwards LifeSciences— Cardiovascular Medical Devices</p> <p><b>OR</b>  USANA Health Sciences— Dietary Supplements and Natural Product Production</p> <p><i><b>**Please note: A dress code of closed-toe shoes and pants will be strictly enforced on all tours. Participants must also bring government-issued photo identification, such as a driver's license or passport.</b></i></p>	<p>1:30 - 4:30 PM  <b>Hands-On Workshop</b>  <b>Beginner Track</b>  <b>Cellulase Cloning and Expression</b>  <b>JHS 262</b>  <i>Craig Caldwell, Salt Lake CC</i></p> <p><b>OR</b>  <b>Hands-On Workshop</b>  <b>Intermediate Track</b>  <b>Biofuels: Microalgae to Oil</b>  <b>JHS 259</b>  <i>Sonia Wallman and Mary Jane Kurtz, NBC2</i>  <i>Jennifer Imbesi and Tim Kull, Montgomery County CC</i></p> <p><b>OR</b>  <b>Hands-On Workshop</b>  <b>Advanced Track</b>  <b>CHO Cell Transfection</b>  <b>JHS 218</b>  <i>Bill Woodruff, Alamance CC</i>  <i>Maggie Bryans, Montgomery County CC</i></p>
	<p>4:30 PM  <b>Event reception and dinner-Snowbird</b></p>		